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	Application No.	Applicant(s)	
	10/686,401	YUAN ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Tuan T. Nguyen	2824	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHT of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to	(OR REMAINS) CLOSED or other appropriate comm GHTS. This application is	in this application. If not include unication will be mailed in due	ed course. THIS
2. The allowed claim(s) is/are <u>1-17</u> .			
 3. ☐ Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 		or (f).	
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Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	ENT of this application.		
4. A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.		
(a) ☐ including changes required by the Notice of Draftspers		w (PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date			hadd of
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	ne header according to 37 C	the drawings in the front (not the FR 1.121(d).	е раску от
 DEPOSIT OF and/or INFORMATION about the depos attached Examiner's comment regarding REQUIREMENT F 			Note the
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Attachment(s)			
1. Notice of References Cited (PTO-892)	5. Notice of I	nformal Patent Application (PTC	O-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413), ./Mail Date	
3. Information Disclosure Statements (PTO-1449 or PTO/SB/06		Amendment/Comment	
Paper No./Mail Date 11/15/04 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛭 Examiner's	Statement of Reasons for Allo	wance
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DETAILED ACTION

Information Disclosure Statement

1. The information disclosure statement (IDS) submitted on 11/15/04 was filed after the mailing date of the present application on 10/14/03. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Allowable Subject Matter

- 2. Claims 1-17 are allowed.
- 3. The following is an examiner's statement of reasons for allowance:

The prior art or record fail to disclose a functional register decoding system comprising a plurality of functional registers dedicated to distinct memory access operations, each register configured to receive an input address, and to provide at least one address output in accord with its dedicated memory access operation; a plurality of plane selector blocks, each plane selector block dedicated to a distinct one of the memory planes, each plane selector block configured to receive as inputs the address outputs from all of the plurality of functional registers, the plane selector blocks routing a selected one of its inputs as an output to its dedicated plane in accord with a control signal input; and plane function select means configured to receive decoded plane and command information for providing control signals to the plurality of plane selector blocks in accord with the decoded information such that command information for a particular memory access operation and plane information for a particular one of the memory planes are used to route address outputs from the functional register dedicated to that memory access operation to that particular memory plane as recited in claim 1.

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Claims 2-10 are therefore allowed because of their dependency on claim 1.

The prior art of record further fail to disclose a method of maintaining address information for a plurality of types of memory access operations in a multiple plane memory, each operation destined for execution in a particular one of the memory planes, the method comprising (a) receiving address and command information corresponding to a particular memory access operation at an address in a particular memory plane; (b) storing the address information in a functional register dedicated to the particular memory access operation, the functional register being locked until the operation specified for the address information is completed; (c) routing the address information from the functional register to the particular memory plane; (d) repeating steps (a) through (c) for successive received address and command information, except that registers are inaccessible to receiving new address information while locked as recited in claim 11.

Claims 12-17 are therefore allowed because of their dependency on claims 13-17.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan T. Nguyen whose telephone number is (571) 272-1880. The examiner can normally be reached on Monday - Friday, 7:00 AM - 3:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Elms can be reached on (571) 272-1869. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Tuan T. Nguyen Primary Examiner Art Unit 2824

September 6, 2005